

Homework #5 BCHS 3304 – Spring 2011

Enzyme kinetics, Metabolism, Sugars

Note: This homework will not be collected. However, exams will assume that you have completed and understand the homework assignment and could answer related questions.

Reading Assignment: **Chapter 12** of *Biochemistry*
Chapter 14 of *Biochemistry*
Chapter 8 of *Biochemistry*

Study Exercises: Chapter 12, p. 401-3
Chapter 14, p. 483-4, #1, 3, 6-8, and 14
Chapter 8, p. 243, #1, 2, 3, 6, and 8

Note: Show all work and remember to incorporate your units in your calculations.

1. Complete Problems 1-10, 17, 15, 19, 24-25 of Chapter 12 (p. 401-403) in your *Biochemistry* textbook.
2. Complete Problems 1, 3-7, and 11 of Chapter 12 (p. 141-4) in the *Student Companion to Biochemistry*.
3. Complete Problems # 2, 3, 8, 9, 10 and 14 of Chapter 14 (p. 165-168) in the *Student Companion to Biochemistry*.
4. Complete Problems #1, 3, 6-8, and 14 of Chapter 14 (p. 483-484) in your *Biochemistry* textbook.
5. Complete Problems # 1, 2, 3, 4, 6, and 7 of Chapter 8 (p. 97-98) in the *Student Companion to Biochemistry*.
6. Complete Problems # 1, 2, 3, 6, and 8 of Chapter 8 (p. 243) in your *Biochemistry* textbook.